Deep Learning
ARISE 2020: ECE Machine Learning Lab

Apoorva Nandini Saridena

Department of Electrical Engineering
NYU Tandon School of Engineering
Brooklyn, New York

August 4, 2020

NYU TANDON SCHOOL OF ENGINEERING

Outline

NYU | TANDON SCHOOL OF ENGINEERING

Outline

NYU | TANDON SCHOOL OF ENGINEERING

More Tools for Training NNs

- Data-Augmentation
- (Mini-)Batch-Norm

Outline

NYU | TANDON SCHOOL OF ENGINEERING

Neural Network Architectures

- Residual Network (He et. al. 2015)
- Auto-Encoder
- U-Net

Outline

NYU | TANDON SCHOOL OF ENGINEERING

Outline

NYU TANDON SCHOOL OF ENGINEERING

Thank You!

- Next Class: ...